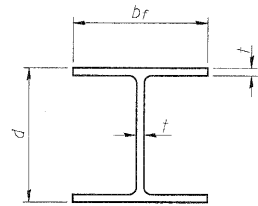
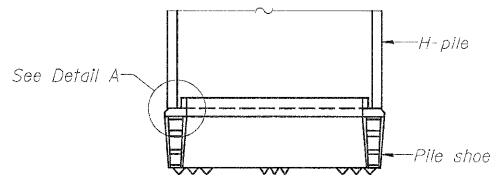


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

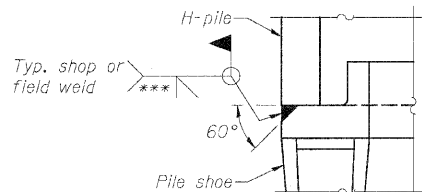


STEEL PILE TABLE

Designation	Depth d	Flange width b _f	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"

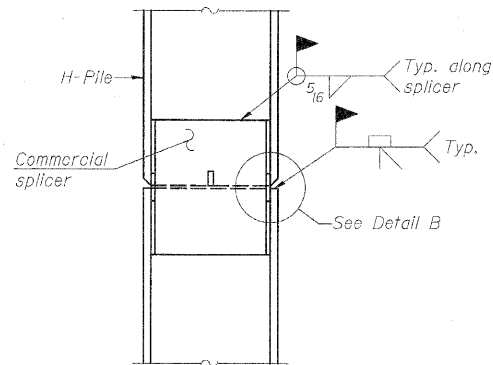


ELEVATION

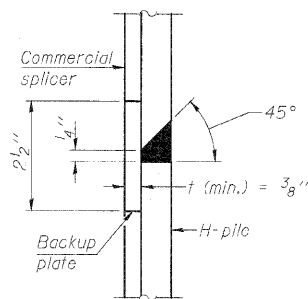


DETAIL A

H-PILE SHOE ATTACHMENT

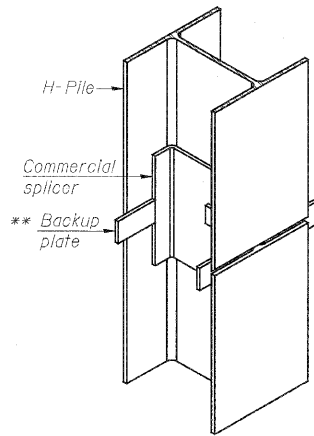


ELEVATION

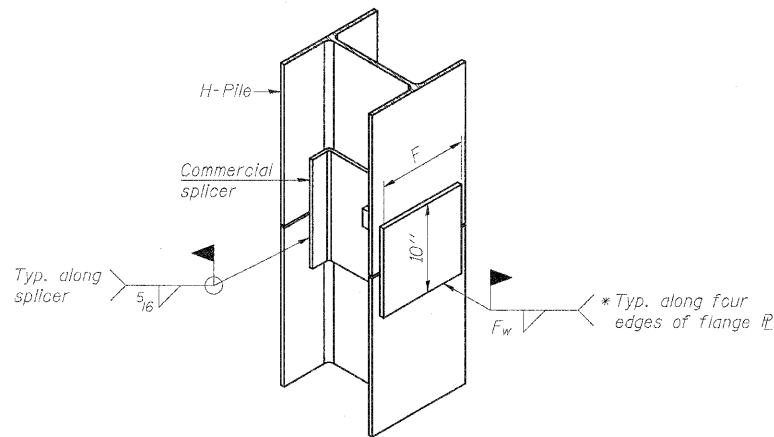


DETAIL "B"

WELDED COMMERCIAL SPLICE



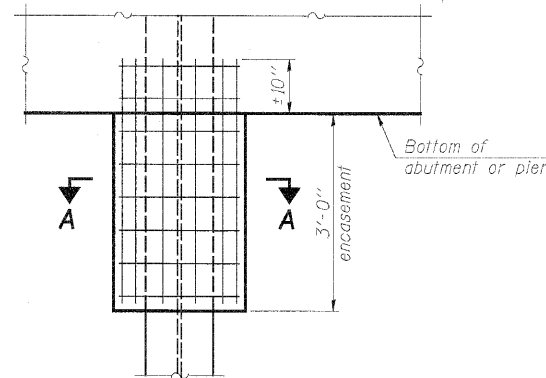
ISOMETRIC VIEW



ISOMETRIC VIEW

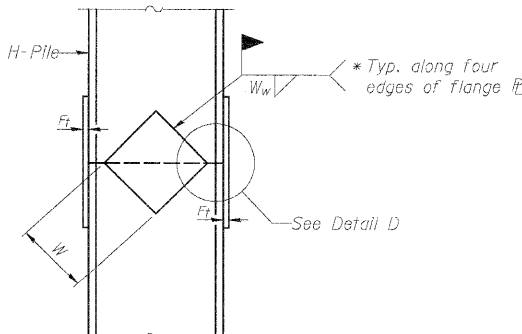
WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).

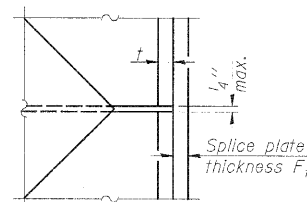


ELEVATION

PILE ENCASEMENT

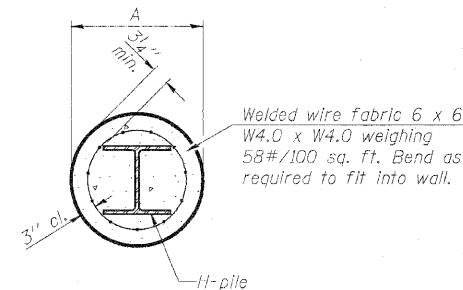


ELEVATION

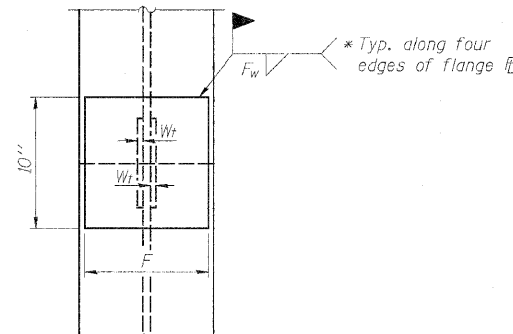


DETAIL D

WELDED PLATE FIELD SPLICE



SECTION A-A



END VIEW

Designation	F	F _t	F _w	W	W _t	W _w
HP 14x117	12 1/2"	1"	7/8"	13 3/4"	5 1/2"	1 1/2"
x102	12 1/2"	7/8"	3/4"	13 3/4"	5 1/2"	1 1/2"
x89	12 1/2"	3/4"	1/2"	13 3/4"	5 1/2"	1 1/2"
x73	12 1/2"	5/8"	3/8"	13 3/4"	5 1/2"	1 1/2"
HP 12x84	10"	7/8"	1 1/16"	11 1/2"	5 1/2"	1 1/2"
x74	10"	7/8"	1 1/16"	11 1/2"	5 1/2"	1 1/2"
x63	10"	5/8"	1/2"	11 1/2"	5 1/2"	3/8"
x53	10"	5/8"	1/2"	11 1/2"	5 1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	9 1/4"	5 1/2"	3/8"
x42	8"	5/8"	9/16"	9 1/4"	5 1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	8 1/4"	5 1/2"	3/8"

HP PILE DETAILS

STRUCTURE NO. 081-0022 (E.B.)
STRUCTURE NO. 081-0023 (W.B.)

Note:
The steel H-piles shall be according to
AASHTO M270 Grade 50.



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SHEET NO. 47
54 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1(HB-2)R	ROCK ISLAND	503	329
CONTRACT NO. 64815				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DESIGNED	
CHECKED	
DRAWN	ASJ
CHECKED	SPK

F-HP

11-1-09